



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
(Case No. HYZ-041)

In re Application of:

Bruce L. Frank et al.

Serial No.: 08/467,397

Filed: June 6, 1995

For: OLIGONUCLEOTIDES SPECIFIC FOR
HEPATITIS B VIRUS

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) Examiner:
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By Ann-Louise Kerner
Ann-Louise Kerner, Ph.D.
Registration No. 33,523
Attorney for Applicant

Commissioner of Patent and Trademarks
Washington, D.C. 20231

TRANSMITTAL LETTER

Dear Sir:

Enclosed herewith for filing in the above-identified patent
application are the following documents:

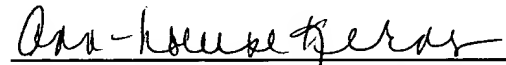
1. Information Disclosure Statement (3 pages);
2. Form PTO-1449 (2 pages); and
3. Copies of 12 references cited therein.

No fee is required. However, please charge any necessary fees or credit any overpayments associated with this correspondence to Deposit Account No. 12-0448. For this purpose, we enclose a duplicate copy of this letter.

If there are any questions, please call the undersigned at the telephone number indicated below.

Respectfully submitted,

LAPPIN & KUSMER



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200 State Street
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Date: August 22, 1995



A/N 0230 8/24/95
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By Ann-Louise Kerner
Ann-Louise Kerner, Ph.D.
Registration No. 33,523
Attorney for Applicants

INFORMATION DISCLOSURE STATEMENT

Hon. Commissioner of Patent and Trademarks
Washington, D.C. 20231

Dear Sir:

Pursuant to 37 C.F.R. §1.97(b)(1), Applicants and their
legal representatives hereby make of record the following
references which are known to them and considered warranting
disclosure under 37 C.F.R. §1.56. PTO Forms 1449 and copies of
each of these references are enclosed.

FOREIGN PATENTS:

WO 94/24864

PUBLICATIONS:

Sureau et al. (1986) *Cell* **47**:37-47
Sells et al. (1987) *Proc. Nat. Acad. Sci.* **84**:1005-1009
Goodarzi et al. (1990) *J. Gen. Virol.* **71**:3021-3025
Blum et al. (1991) *Lancet* **337**:1230
Doong et al. (1991) *Proc. Natl. Acad. Sci. (USA)* **88**:8495-8499
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Wu et al. (1992) *J. Biol. Chem.* **267**:12436-12439
Jansen et al. (1993) *Antimicrob. Agent. Chemother.* **37**:441-447
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Yao et al. (1994) *Nat. Med. J. China* **74**:125

The following references were cited in the Examples section of the patent application. Copies of these references not already cited above are not included with this Information Disclosure Statement, but can be furnished upon request.

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U.S. Patent No. 4,393,133

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Galibert et al. (1979) *Nature*, London **281**:646-650

Ono et al. (1983) *Nucleic Acids Res.* **11**:1747-1757

Sells et al. (1987) *Proc. Natl. Acad. Sci. (USA)* **84**:1005-1009

Sells et al. (1988) *J. Virol.* **84**:1005-1009

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Bartenschlager et al. (1992) *Nucleic Acids Res.* **20**:195-202

Beaucage (1993) *Meth. Mol. Biol.* **20**:33-61

Higuchi et al. (1993) *Biotechnol.* **11**:1026-1030

Hogrefe et al., in *Methods in Molecular Biology*, Vol. 20: *Protocols for Oligonucleotides and Analogs* (Agrawal, ed.) (1993) Humana Press Inc., Totowa, NJ)

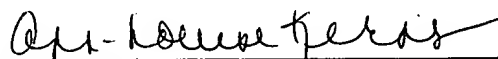
Hogrefe et al. (1993) *Nucleic Acids Res.* **21**:2031-2038

Pollack et al. (1993) *J. Virol.* **67**:3254-3263

No fee is due as this statement is being filed within three months of the filing date of the above-referenced application. However, please charge any costs to our Deposit Account No. 12-0448.

Respectfully submitted,

LAPPIN & KUSMER


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